

REMARKS

The final Office Action mailed April 1, 2004 (Paper No. 13) has been carefully considered. In response, Applicant requests acknowledgement of the request for continued examination, entry of the foregoing amendments, and consideration of the following remarks. Upon entry of the foregoing amendments claims 1 – 25 have been canceled without prejudice, waiver, or disclaimer. Claims 26 – 55 have been added.

Pending claims 26 – 46 are allowable over the cited references for at least the reason that the cited references do not disclose, teach, or suggest applicant's claimed multiprocessor system, which comprises agents, memory controllers, and at least one crossbar coupled to a select number of agents.

Pending claims 47 – 55 are allowable over the cited references for at least the reason that the cited references do not disclose, teach, or suggest applicant's claimed method for communicating data between devices in a parallel processing system, which comprises providing a plurality of processors and memory units, coupling an agent and a memory controller between each of the plurality of processors and memory units, coupling at least one crossbar between each of the agents, using source logic within the agents to generate a data packet to transmit data from a source device to a destination device via the at least one crossbar.

Response to 35 U.S.C. §103 Rejections – Claims 1 – 17, 19 – 22, 24, and 25

A. Statement of the Rejection

Claims 1 - 17 and 19 - 22 stand rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over Galles *et al.* (U.S. Patent No. 5,721,819 (“*Galles*”)) in view of “Data and Computer Communications” to Stallings (“*Stallings*.”)

Claims 24 and 25 stand rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over *Galles* in view of *Stallings* and further in view of “A Queuing Model for Wormhole Routing with Timeout” to Hu *et al.* (“*Hu*.”)

B. Discussion of the Rejections

Without acquiescing to the Office's analysis and conclusions regarding patentability, Applicant has canceled claims 1 – 17, 19 – 22, 24, and 25 to remove outstanding issues and expedite allowance of new claims 26 – 55. Accordingly, the rejection of claims 1- 17, 19 – 22, 24, and 25 is moot.

CONCLUSION

For at least the reasons set forth above, Applicant respectfully submits that all pending claims 26 - 55 are in condition for allowance. Favorable consideration and allowance of the present application and all pending claims are hereby courteously requested. If, in the opinion of the Examiner, a telephonic conference would expedite the examination of this matter, the Examiner is invited to call the undersigned agent at (770) 933-9500.

Respectfully submitted,

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